28

233754

STIC EIC 2100
Search Request Form

Today's Date: 8/9/07

What date would you like to use to limit the search?

Priority Date: 11/13/98 Other:

Name Djenane Bayard

AU 2141 Examiner # 80070

Room # 4B15 Phone 3878

Serial # 10/643 825

Format for Search Results (Circle One):

(PAPER) DISK EMAIL

Where have you searched so far?

(USP) DWPI EPO JPO ACM IBM TDB

IEEE INSPEC SPI Other _____

Is this a "Fast & Focused" Search Request? (Circle One) (YES) NO

A "Fast & Focused" Search is completed in 2-3 hours (maximum). The search must be on a very specific topic and meet certain criteria. The criteria are posted in EIC2100 and on the EIC2100 NPL Web Page at http://ptoweb/patents/stic/stic-tc2100.htm.

What is the topic, novelty, motivation, utility, or other specific details defining the desired focus of this search? Please include the concepts, synonyms, keywords, acronyms, definitions, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract, background, brief summary, pertinent claims and any citations of relevant art you have found.

Is this request for a BOARD of APPEALS case? (Circle One) YES (NO)

Is this case a SPECIAL CASE? (Circle One) YES (NO)

Scanning a document to form an electronic copy of the and generating the hard copy of the document using the electronic copy and distributing to potential users.

STIC Searcher GMims Phone 2-3528

Date picked up 8/9/07 Date Completed 8/9/07

Search and Information Resources Administration

STIC Scientific & Technical Information Center

STIC Search Results Feedback Form

EIC 2100

Questions about the scope or the results of the search? Contact ***the EIC searcher or contact*:**

Alyson Dill, EIC 2100 Team Leader
272-3527, RND 4B28

Voluntary Results Feedback Form

- *I am an examiner in Workgroup:* ☐ *Example: 2133*
- *Relevant prior art **found**, search results used as follows:*
  - ☐ 102 rejection
  - ☐ 103 rejection
  - ☐ Cited as being of interest.
  - ☐ Helped examiner better understand the invention.
  - ☐ Helped examiner better understand the state of the art in their technology.

Types of relevant prior art found:

- ☐ Foreign Patent(s)
- ☐ Non-Patent Literature
  (Journal articles, conference proceedings, new product announcements etc.)

- *Relevant prior art **not found:***
  - ☐ Results verified the lack of relevant prior art (helped determine patentability).
  - ☐ Results were not useful in determining patentability or understanding the invention.

Comments:

Drop off or send completed forms to STIC/EIC2100 RND, 4B28

sira Search and Information Resources Administration

```
Set     Items   Description
S1     185734   (USER? ? OR COMMAND()DRIVEN OR GRAPHICAL OR TEXT)(2N)(USER?
          ? OR REPRESENT?)(2N)(INTERFACE? ? OR APPARAT? OR DEVICE? OR -
         SCREEN? OR FRAME? ? OR PANEL? ? OR WINDOW? ?) OR GUI OR GUIS
S2     176482   S1(5N)(USE? ? OR USING OR UTILI? OR APPLY? OR APPLIE? ? OR
         EMPLOY? OR IMPLEMENT? OR ENABL? OR ALLOW? OR FACILITAT?)
S3     238727   (MULTI? OR PLURAL? OR EXTRA? OR NUMEROUS? OR NUMBER? OR AN-
         OTHER OR MANY OR VARI???)(3N)(USER? OR CLIENT? OR CUSTOMER? OR
          SUBSCRIBER? OR MEMBER? OR ACCOUNT()HOLDER? OR ENDUSER? OR EN-
         D()USER? ?)
S4      43612   (MULTI? OR PLURAL? OR EXTRA? OR NUMEROUS? OR NUMBER? OR AN-
         OTHER OR MANY OR VARI???)(3N)(SHOPPER? OR CONSUMER? OR BUYER?
         OR PURCHASER? OR PATRON? OR ENTIT???)
S5      35413   S3:S4(5N)(PICK??? OR CHOOSE? OR SELECT? OR CHOSEN OR IDENT-
         IFY? OR IDENTIFIES OR SPECIF? OR DESIGNAT? OR INDICAT? OR CON-
         FIG?)
S6      30648   (SCAN??? OR SCANNING?)(5N)(INFORMATION OR DOC OR DOCUMENT?
          ? OR FORM? ?)
S7       1866   (CONVERT?? OR CONVERTS OR CONVERTING OR CONVERSION? OR TRA-
         NSFORM? OR ALTER??? OR REFORMAT? OR MODIF? OR REVIS??? ? OR C-
         HANG???)(7N)((ELECTRONIC? OR DIGITAL?)(3N)(PRINT? OR COPY??? -
         OR COPIE? ? OR REPRODUCT? OR PHOTOCOP? OR DUPLICAT? OR REPRIN-
         T?))
S8       7743   (CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE? OR MA-
         KING? OR MADE OR GENERAT?)(5N)((HARD OR PAPER OR PHYSICAL)(3N-
         )(PRINT? OR COPY??? OR COPIE? ? OR REPRODUCT? OR PHOTOCOP? OR
         DUPLICAT? OR REPRINT?))
S9       4865   S6:S7(5N)(DELIVER? OR SEND??? OR SENT OR UPLOAD? OR DISTRI-
         BUT? OR TRANSFER? OR TRANSMI? OR BEAM??? OR LOAD??? OR POST???
          ?)
S10      5217   S6:S7(5N)(RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR PULL-
         ???()DOWN?? OR PROCUR??? OR GET?.? OR FETCH??? OR RETRIEV? OR
         ACCESS?)
S11         2   S6(100N)S7(100N)S8(100N)S3:S4(100N)S1:S2
S12         1   S6(100N)S7(100N)S8(100N)S3:S4
S13       536   S6:S8(100N)S9:S10(100N)S3:S4
S14      7347   S1:S2(100N)S5
S15        21   S13(100N)S14
S16        20   S15 NOT S11:S12
S17         9   S16 NOT (AD>1998 OR AD=1999:2007)
S18         0   1:S2(100N)((DOC? ? OR DOCUMENT? ?)(5N)(DELIVER? OR MANAG? -
          OR DISTRIBUT?))
S19         1   S5(100N)S6(100N)S7(100N)S8
S20        43   S13(100N)((DOC? ? OR DOCUMENT? ?)(5N)(DELIVER? OR MANAG? OR
            DISTRIBUT?))
S21        10   S20(100N)S5(100N)S6
S22         5   S21 NOT (AD>1998 OR AD=1999:2007)
File 348:EUROPEAN PATENTS 1978-2007/ 200731
         (c) 2007 European Patent Office
File 349:PCT FULLTEXT 1979-2007/UB=20070809UT=20070802
         (c) 2007 WIPO/Thomson
```

11/5,K/1 (Item 1 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
(c) 2007 European Patent Office. All rts. reserv.

01028873
Input/output model for multifunction user interfaces
Ein-/Ausgabe-Modell fur Benutzeroberflachen mit mehreren Funktionen
Modele d'entree-sortie d'interfaces utilisateurs multifonctionnelles
PATENT ASSIGNEE:
XEROX CORPORATION, (219781), Xerox Square - 020, Rochester New York 14644 , (US), (Applicant designated States: all)
INVENTOR:
Colter, Benjamin A., 381 Lenora Lane, Webster, NY 14580, (US)
Hayward, Ken, 3895 Lake Road N., Brockport, NY 14420, (US)
Skrainar, Stephen F., 39 Pond Valley Circle, Penfield, NY 14526, (US)
Herceg, Thomas J., 473 East Street, Pittsford, NY 14534, (US)
LEGAL REPRESENTATIVE:
Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721) , Maximilianstrasse 58, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 917006 A2 990519 (Basic)
EP 917006 A3 010502
APPLICATION (CC, No, Date): EP 98118094 980924;
PRIORITY (CC, No, Date): US 971656 971117
DESIGNATED STATES: DE; FR; GB
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI
INTERNATIONAL PATENT CLASS (V7): G03G-015/00

ABSTRACT EP 917006 A2
A method of simplifying operator interaction with a multifunction device having an operator interface with display screen by providing a selection of job inputs and job outputs on the operator interface display screen. The operator selects the appropriate job input such as scan paper and retrieve remote files and the appropriate job output such as save to storage and make remote prints. The system responds to the selected job inputs and outputs and provides a set of feature options on a successive display on the display screen associated with the particular combination of job inputs and outputs selected by the operator.
ABSTRACT WORD COUNT: 102
NOTE:
Figure number on first page: 1

LEGAL STATUS (Type, Pub Date, Kind, Text):
Search Report: 010502 A3 Separate publication of the search report
Application: 990519 A2 Published application (A1with Search Report ;A2without Search Report)
Withdrawal: 031217 A2 Date application deemed withdrawn: 20030610
Examination: 020102 A2 Date of request for examination: 20011102
Examination: 030312 A2 Date of dispatch of the first examination report: 20030129
LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9920	408
SPEC A	(English)	9920	2773
Total word count - document A			3181
Total word count - document B			0
Total word count - documents A + B			3181

...SPECIFICATION a typical digital reprographic machine;
Figure 2 illustrates a typical prior art service oriented model **user** interface; and

Figure 3 illustrates an Input/Output model user interface according to the present...the kind of original that exists and the kind of output desired. For example, a **user** who approaches the **device** with a floppy disk and wants hard copy output needs only to select floppy disk...

...more outputs.

With reference to Figure 3, there is shown a typical Input/ Output model **user interface** . Typical input functions are scan paper 40, retrieve fax 42, retrieve file from network 44...

...For convenience, there are custom presets that are site settable. If, at a particular site, **users** often approach the **device** with a floppy disk to get **hard copy** output, they can **make** their "Custom 1" preset bundle the retrieve from floppy input and the print output.

The...

```
Set     Items   Description
S1     224964   (USER? ? OR COMMAND()DRIVEN OR GRAPHICAL OR TEXT)(2N)(USER?
          ? OR REPRESENT?)(2N)(INTERFACE? ? OR APPARAT? OR DEVICE? OR -
         SCREEN? OR FRAME? ? OR PANEL? ? OR WINDOW? ?) OR GUI OR GUIS
S2     212507   S1(5N)(USE? ? OR USING OR UTILI? OR APPLY? OR APPLIE? ? OR
         EMPLOY? OR IMPLEMENT? OR ENABL? OR ALLOW? OR FACILITAT?)
S3     140333   (MULTI? OR PLURAL? OR EXTRA? OR NUMEROUS? OR NUMBER? OR AN-
         OTHER OR MANY OR VARI???)(3N)(USER? OR CLIENT? OR CUSTOMER? OR
          SUBSCRIBER? OR MEMBER? OR ACCOUNT()HOLDER? OR ENDUSER? OR EN-
         D()USER? ?)
S4      21423   (MULTI? OR PLURAL? OR EXTRA? OR NUMEROUS? OR NUMBER? OR AN-
         OTHER OR MANY OR VARI???)(3N)(SHOPPER? OR CONSUMER? OR BUYER?
         OR PURCHASER? OR PATRON? OR ENTIT???)
S5       6714   S3:S4(5N)(PICK??? OR CHOOSE? OR SELECT? OR CHOSEN OR IDENT-
         IFY? OR IDENTIFIES OR SPECIF? OR DESIGNAT? OR INDICAT? OR CON-
         FIG?)
S6      14326   (SCAN OR SCANS OR SCANNED OR SCANNING?)(5N)(INFORMATION OR
         DOC OR DOCUMENT? ? OR FORM? ?)
S7       1042   (CONVERT?? OR CONVERTS OR CONVERTING OR CONVERSION? OR TRA-
         NSFORM? OR ALTER??? OR REFORMAT? OR MODIF? OR REVIS??? ? OR C-
         HANG???)(7N)((ELECTRONIC? OR DIGITAL?)(3N)(PRINT? OR COPY??? -
         OR COPIE? ? OR REPRODUCT? OR PHOTOCOP? OR DUPLICAT? OR REPRIN-
         T?))
S8       7181   (CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE? OR MA-
         KING? OR MADE OR GENERAT?)(5N)((HARD OR PAPER OR PHYSICAL)(3N-
         )(PRINT? OR COPY??? OR COPIE? ? OR REPRODUCT? OR PHOTOCOP? OR
         DUPLICAT? OR REPRINT?))
S9       1218   S6:S7(5N)(DELIVER? OR SEND??? OR SENT OR UPLOAD? OR DISTRI-
         BUT? OR TRANSFER? OR TRANSMI? OR BEAM??? OR LOAD??? OR POST???
          ?)
S10      1600   S6:S7(5N)(RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR PULL-
         ???()DOWN?? OR PROCUR??? OR GET? ? OR FETCH??? OR RETRIEV? OR
         ACCESS?)
S11         0   S5 AND S6 AND S7 AND S8
S12         0   S6 AND S7 AND S8
S13       644   S1:S2(100N)((DOC? ? OR DOCUMENT? ?)(5N)(DELIVER? OR MANAG?
         OR DISTRIBUT?))
S14         0   S13 AND S5 AND S6
S15         3   S13 AND S6
S16         1   S13 AND S5
S17         1   S13 AND S9:S10
File   2:INSPEC 1898-2007/Jul W5
         (c) 2007 Institution of Electrical Engineers
File   6:NTIS 1964-2007/Aug W3
         (c) 2007 NTIS, Intl Cpyrght All Rights Res
File   8:Ei Compendex(R) 1884-2007/Aug W1
         (c) 2007 Elsevier Eng.  Info. Inc.
File  34:SciSearch(R) Cited Ref Sci 1990-2007/Aug W2
         (c) 2007 The Thomson Corp
File  35:Dissertation Abs Online 1861-2007/Jul
         (c) 2007 ProQuest Info&Learning
File  56:Computer and Information Systems Abstracts 1966-2007/Aug
         (c) 2007 CSA.
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2007/Jul
         (c) 2007 CSA.
File  62:SPIN(R) 1975-2007/Jul W5
         (c) 2007 American Institute of Physics
File  65:Inside Conferences 1993-2007/Aug 14
         (c) 2007 BLDSC all rts. reserv.
File  95:TEME-Technology & Management 1989-2007/Aug W2
         (c) 2007 FIZ TECHNIK
```

File 99:Wilson Appl. Sci & Tech Abs 1983-2007/Jul
(c) 2007 The HW Wilson Co.
File 111:TGG Natl.Newspaper Index(SM) 1979-2007/Aug 08
(c) 2007 The Gale Group
File 144:Pascal 1973-2007/Jul W5
(c) 2007 INIST/CNRS
File 239:Mathsci 1940-2007/Sep
(c) 2007 American Mathematical Society
File 256:TecInfoSource 82-2007/Nov
(c) 2007 Info.Sources Inc
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
(c) 2006 The Thomson Corp
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
(c) 2002 The Gale Group

```
Set     Items   Description
S1     915221   (USER? ? OR COMMAND()DRIVEN OR GRAPHICAL OR TEXT)(2N)(USER?
          ? OR REPRESENT?)(2N)(INTERFACE? ? OR APPARAT? OR DEVICE? OR -
         SCREEN? OR FRAME? ? OR PANEL? ? OR WINDOW? ?) OR GUI OR GUIS
S2     674022   S1(5N)(USE? ? OR USING OR UTILI? OR APPLY? OR APPLIE? ? OR
         EMPLOY? OR IMPLEMENT? OR ENABL? OR ALLOW? OR FACILITAT?)
S3    1959751   (MULTI? OR PLURAL? OR EXTRA? OR NUMEROUS? OR NUMBER? OR AN-
         OTHER OR MANY OR VARI???)(3N)(USER? OR CLIENT? OR CUSTOMER? OR
          SUBSCRIBER? OR MEMBER? OR ACCOUNT()HOLDER? OR ENDUSER? OR EN-
         D()USER? ?)
S4     483107   (MULTI? OR PLURAL? OR EXTRA? OR NUMEROUS? OR NUMBER? OR AN-
         OTHER OR MANY OR VARI???)(3N)(SHOPPER? OR CONSUMER? OR BUYER?
         OR PURCHASER? OR PATRON? OR ENTIT???)
S5      82307   S3:S4(5N)(PICK??? OR CHOOSE? OR SELECT? OR CHOSEN OR IDENT-
         IFY? OR IDENTIFIES OR SPECIF? OR DESIGNAT? OR INDICAT? OR CON-
         FIG?)
S6      78408   (SCAN??? OR SCANS OR SCANNED OR SCANNING?)(5N)(INFORMATION
         OR DOC OR DOCUMENT? ? OR FORM? ?)
S7       6023   (CONVERT?? OR CONVERTS OR CONVERTING OR CONVERSION? OR TRA-
         NSFORM? OR ALTER??? OR REFORMAT? OR MODIF? OR REVIS??? ? OR C-
         HANG???)(7N)((ELECTRONIC? OR DIGITAL?)(3N)(PRINT? OR COPY??? -
         OR COPIE? ? OR REPRODUCT? OR PHOTOCOP? OR DUPLICAT? OR REPRIN-
         T?))
S8      30797   (CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE? OR MA-
         KING? OR MADE OR GENERAT?)(5N)((HARD OR PAPER OR PHYSICAL)(3N-
         )(PRINT? OR COPY??? OR COPIE? ? OR REPRODUCT? OR PHOTOCOP? OR
         DUPLICAT? OR REPRINT?))
S9       8747   S6:S7(5N)(DELIVER? OR SEND??? OR SENT OR UPLOAD? OR DISTRI-
         BUT? OR TRANSFER? OR TRANSMI? OR BEAM??? OR LOAD??? OR POST???
          ?)
S10      7817   S6:S7(5N)(RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR PULL-
         ???()DOWN?? OR PROCUR??? OR GET? ? OR FETCH??? OR RETRIEV? OR
         ACCESS?)
S11         0   S6(100N)S7(100N)S8(100N)S3:S4(100N)S1:S2
S12         0   S5(100N)S6(100N)S7(100N)S8
S13         0   1:S2(100N)((DOC? ? OR DOCUMENT? ?)(5N)(DELIVER? OR MANAG? -
         OR DISTRIBUT?))
S14         0   S2(100N)S5(100N)S6(100N)S7
File 275:Gale Group Computer DB(TM) 1983-2007/Jul 24
         (c) 2007 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2007/Aug 10
         (c) 2007 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2007/Aug 15
         (c) 2007 The Gale Group
File  16:Gale Group PROMT(R) 1990-2007/Aug 15
         (c) 2007 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2007/Aug 13
         (c)2007 The Gale Group
File 624:McGraw-Hill Publications 1985-2007/Aug 15
         (c) 2007 McGraw-Hill Co. Inc
File  15:ABI/Inform(R) 1971-2007/Aug 15
         (c) 2007 ProQuest Info&Learning
File 647:CMP  Computer Fulltext 1988-2007/Sep W2
         (c) 2007 CMP Media, LLC
File 674:Computer News Fulltext 1989-2006/Sep W1
         (c) 2006 IDG Communications
File 696:DIALOG Telecom. Newsletters 1995-2007/Aug 15
         (c) 2007 Dialog
File 369:New Scientist 1994-2007/Jul W5
```

(c) 2007 Reed Business Information Ltd.
File 810:Business Wire 1986-1999/Feb 28
(c) 1999 Business Wire
File 813:PR Newswire 1987-1999/Apr 30
(c) 1999 PR Newswire Association Inc
File 610:Business Wire 1999-2007/Aug 16
(c) 2007 Business Wire.
File 613:PR Newswire 1999-2007/Aug 16
(c) 2007 PR Newswire Association Inc

11/69,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0005741287 - Drawing available
WPI ACC NO: 1991-356027/199149
XRPX Acc No: N1991-272478
Electronic document processing system - uses readable hard copies as storage and transferring medium for digital electronic documents
Patent Assignee: XEROX CORP (XERO)
Inventor: BLOOMBERG D S; HECHT D L; HENDERSON D; HENDERSON D A; PEDERSEN J O; SANG H W; SMITH Z E; ZDYBEL F
Patent Family (8 patents, 4 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 459792	A	19911204	EP 1991304879	A	19910530	199149 B
CA 2039652	A	19911201				199209 E
EP 459792	A3	19930804	EP 1991304879	A	19910530	199507 E
US 5486686	A	19960123	US 1990530677	A	19900530	199610 E
			US 1992887563	A	19920518	
CA 2039652	C	19961224	CA 2039652	A	19910403	199711 E
EP 459792	B1	19970604	EP 1991304879	A	19910530	199727 E
DE 69126369	E	19970710	DE 69126369	A	19910530	199733 E
			EP 1991304879	A	19910530	
JP 3219251	B2	20011015	JP 1991120340	A	19910524	200167 E

Priority Applications (no., kind, date): US 1992887563 A 19920518; US 1990530677 A 19900530

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 459792	A	EN			
Regional Designated States,Original: DE FR GB					
CA 2039652	A	EN			
EP 459792	A3	EN			
US 5486686	A	EN	14	5	Continuation of application US 1990530677
CA 2039652	C	EN			
EP 459792	B1	EN	16	5	
Regional Designated States,Original: DE FR GB					
DE 69126369	E	DE			Application EP 1991304879 Based on OPI patent EP 459792
JP 3219251	B2	JA	11		Previously issued patent JP 04232564

Alerting Abstract EP A
The document processing system has an input scanner for **scanning** and electronically capturing **information** carried by hard copy documents. A digital computer with an input coupled to the input scanner and another input coupled to a **user interface enables users** to create, edit and manipulate electronic data files.
A printer coupled to the computer prints hard copies of files. Digital data is rendered in the **hard copies produced** by the printer to aid an electronic document processing system in interpreting information when the hard copies are further **scanned** into a **document** processing system.
USE/ADVANTAGE - In electronic document processing systems. Eliminates digital mass memories for storage. Eliminates need for recorded media to transfer documents.

Title Terms/Index Terms/Additional Words: ELECTRONIC; DOCUMENT; PROCESS;

SYSTEM; READ; HARD; COPY; STORAGE; TRANSFER; MEDIUM; DIGITAL

Class Codes
International Classification (Main): G06F-015/20, G06F-017/21, G06F-017/30, G06K-015/00
(Additional/Secondary): G06F-017/60, G06K-017/00, G06K-019/06
US Classification, Issued: 235375000, 235432000

File Segment: EPI;
DWPI Class: T01; T04
Manual Codes (EPI/S-X): T01-C09; T01-J; T04-A03B

Alerting Abstract ...The document processing system has an input scanner for **scanning** and electronically capturing **information** carried by hard copy documents. A digital computer with an input coupled to the input scanner and another input coupled to a **user interface enables users** to create, edit and manipulate electronic data files...

...coupled to the computer prints hard copies of files. Digital data is rendered in the **hard copies produced** by the printer to aid an electronic document processing system in interpreting information when the hard copies are further **scanned** into a **document** processing system...

Original Publication Data by Authority

Original Abstracts:
...not only to enhance the precision with which the structure and content of such electronic **documents** can be recovered **by scanning** such hardcopies into **electronic document** processing systems,but **also** as a mechanism for enabling recipients of **scanned** -in versions of **such documents** to identify and **process** annotations that were added to the hardcopies after they were printed and/or for alerting the recipients of the **scanned** -in **documents** to **alterations** that **may** have been made to the original human-readable content of the hardcopy renderings.</br> In addition...

...document, provision is made for encoding information about the electronic representation of the document itself, **such** as file name, creation and **modification** dates, access and security information, printing histories. Provision is also made for encoding information which ...

...part or all of the electronic domain descriptions of hardcopy documents and/or of part **or** all of the **transforms** that are performed to **produce** and reproduce such hardcopies documents are encoded in codes that are printed on **such** documents, thereby permitting the **electronic** domain descriptions of such documents and/or such transforms to be recovered more robustly and reliably when the **information** carried by such documents is **transformed** from the **hardcopy** domain to the **electronic** domain.
Claims:
1. An electronic document processing system (11) having an input scanner (12) for **scanning** and **electronically** capturing **information** carried **by** hardcopy **documents** , a digital computer (14) having one inlet coupled to the input scanner and another inlet **coupled** to a **user interface for enabling users** to **create** , edit and manipulate electronic data files, and a digital printer (15) coupled to the computer...

...aid such an electronic document processing system in interpreting such renderings when the renderings are **scanned** into such an **electronic**

document processing system.

...

...1. A electronic document processing system (11) comprising:</br> an input scanner (12) for **scanning** and electronically capturing **information** carried by hardcopy documents;</br> a digital computer (14) having one inlet coupled to the input **scanner** (12) and another **inlet** coupled to a **user interface** (21, 22, 24) for **enabling users** to create, edit and manipulate electronic data files; and</br> a digital printer (15) coupled **to the** computer (14) for printing **human - readable** , hardcopy renderings from an electronic **representation** of the hard copy renderings of selected electronic data files; characterised in that the system...

...In an **electronic** document processing system having scanner means for **transforming** information from a hardcopy domain to an **electronic** domain, and rendering means for transferring representations of human readable information **from** sources in at least one-of said **domains** to hardcopy documents in said hardcopy domain **in** accordance with a **transform** having known attributes, including system attributes which are not explicitly defined by said human readable...

...is stored on said hardcopy documents for retrieval when any of said hardcopy documents is **transformed** from said hardcopy domain to said **electronic** domain.
?

```
Set     Items   Description
S1     171219   (USER? ? OR COMMAND()DRIVEN OR GRAPHICAL OR TEXT)(2N)(USER?
          ? OR REPRESENT?)(2N)(INTERFACE? ? OR APPARAT? OR DEVICE? OR -
         SCREEN? OR FRAME? ? OR PANEL? ? OR WINDOW? ?) OR GUI OR GUIS
S2     164861   S1(5N)(USE? ? OR USING OR UTILI? OR APPLY? OR APPLIE? ? OR
          EMPLOY? OR IMPLEMENT? OR ENABL? OR ALLOW? OR FACILITAT?)
S3     245346   (MULTI? OR PLURAL? OR EXTRA? OR NUMEROUS? OR NUMBER? OR AN-
          OTHER OR MANY OR VARI???)(3N)(USER? OR CLIENT? OR CUSTOMER? OR
           SUBSCRIBER? OR MEMBER? OR ACCOUNT()HOLDER? OR ENDUSER? OR EN-
          D()USER? ?)
S4       9337   (MULTI? OR PLURAL? OR EXTRA? OR NUMEROUS? OR NUMBER? OR AN-
          OTHER OR MANY OR VARI???)(3N)(SHOPPER? OR CONSUMER? OR BUYER?
          OR PURCHASER? OR PATRON? OR ENTIT???)
S5      30602   S3:S4(5N)(PICK??? OR CHOOSE? OR SELECT? OR CHOSEN OR IDENT-
          IFY? OR IDENTIFIES OR SPECIF? OR DESIGNAT? OR INDICAT? OR CON-
          FIG?)
S6      24223   (SCAN??? SCANS OR SCANNED OR SCANNING?)(5N)(INFORMATION OR
          DOC OR DOCUMENT? ? OR FORM? ?)
S7      45616   (CONVERT?? OR CONVERTS OR CONVERTING OR CONVERSION? OR TRA-
          NSFORM? OR ALTER??? OR REFORMAT? OR MODIF? OR REVIS??? ? OR C-
          HANG???)(7N)((ELECTRONIC? OR DIGITAL?(3N)(PRINT? OR COPY??? OR
           COPIE? ? OR REPRODUCT? OR PHOTOCOP? OR DUPLICAT? OR REPRINT?-
          )))
S8      10960   (CREAT? OR PRODUC? OR DEVELOP? OR ORIGINAT? OR MAKE? OR MA-
          KING? OR MADE OR GENERAT?)(5N)((HARD OR PAPER OR PHYSICAL)(3N-
          )(PRINT? OR COPY??? OR COPIE? ? OR REPRODUCT? OR PHOTOCOP? OR
          DUPLICAT? OR REPRINT?))
S9       7950   S6:S7(5N)(DELIVER? OR SEND??? OR SENT OR UPLOAD? OR DISTRI-
          BUT? OR TRANSFER? OR TRANSMI? OR BEAM??? OR LOAD??? OR POST???
           ?)
S10      6659   S6:S7(5N)(RECEIV? OR ACCEPT? OR ACQUIR? OR OBTAIN? OR PULL-
          ???()DOWN?? OR PROCUR??? OR GET? ? OR FETCH??? OR RETRIEV? OR
          ACCESS?)
S11         1   S6 AND S7 AND S8 AND S3:S4 AND S1:S2
S12         2   S6 AND S7 AND S8 AND S3:S4
S13         1   S12 NOT S11
S14         0   S5 AND S2 AND S6 AND S7 AND S8
S15         0   S1:S2 AND S5 AND S6 AND S7 AND S8
S16       506   S6:S8 AND S9:S10 AND S3:S4
S17      7351   S1:S2 AND S5
S18        52   S16 AND S17
S19        52   S18 NOT S11:S12
S20         4   S19 AND (DOC? ? OR DOCUMENT? ?)(3N)(DELIVER? OR MANAG? OR -
          DISTRIBUT?)
S21        48   S19 NOT S20
S22        34   S17 AND S6
S23         1   S22 AND S7
S24        33   S22 NOT S23
S25        70   S21 OR S24
S26        39   S25 AND AC=US/PR AND AY=(1999:2007)/PR
S27        40   S25 AND AC=US/PR AND AY=1999:2007
S28        47   S25 AND AC=US AND AY=(1999:2007)/PR
S29        62   S25 AND PY=1999:2007
S30        62   S26:S29
S31         8   S25 NOT S30
S32         3   S1:S2 AND S6 AND S7:S8 AND (DOC? ? OR DOCUMENT? ?)(3N)(DEL-
          IVER? OR MANAG? OR DISTRIBUT?)
S33        36   S16 AND (DOC? ? OR DOCUMENT? ?)(3N)(DELIVER? OR MANAG? OR -
          DISTRIBUT?)
S34        78   S11:S13 OR S20 OR S25:S32
S35        32   S33 NOT S34
```

```
S36          21   S35 AND AC=US/PR AND AY=(1999:2007)/PR
S37          22   S35 AND AC=US/PR AND AY=1999:2007
S38          25   S35 AND AC=US AND AY=(1999:2007)/PR
S39          32   S35 AND PY=1999:2007
S40          32   S36:S39
S41           0   S35 NOT S40
File 350:Derwent WPIX 1963-2007/UD=200749
         (c) 2007 The Thomson Corporation
File 347:JAPIO Dec 1976-2007/Feb(Updated 070806)
         (c) 2007 JPO & JAPIO
```

13/69,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0008204388 - Drawing available
WPI ACC NO: 1997-308566/199728
Related WPI Acc No: 1997-305002; 1999-514647; 2000-132923; 2000-132922; 1999-547370
XRPX Acc No: N1997-255730
Facsimile connected in LAN - contacts calling party, based on connection place information that is compared, stores and notifies transmission error
Patent Assignee: BANDO T (BAND-I); MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUSHITA GRAPHIC COMMUNICATI (MATY); MATSUSHITA GRAPHIC COMMUNICATION SYSTEMS (MATY); PANASONIC COMMUNICATIONS CO LTD (MATU); TOYODA K (TOYO-I)
Inventor: BANDO T; TOYODA K
Patent Family (13 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
JP 9121274	A	19970506	JP 1995278836	A	19951026	199728	B
US 5812278	A	19980922	US 1996734321	A	19961021	199845	E
US 6028982	A	20000222	US 1996734321	A	19961021	200017	E
			US 199840292	A	19980318		
JP 3019914	B2	20000315	JP 1995278836	A	19951026	200018	E
US 6172763	B1	20010109	US 1996734321	A	19961021	200104	E
			US 199840293	A	19980318		
US 6259533	B1	20010710	US 1996734321	A	19961021	200141	E
			US 1998137839	A	19980821		
US 20010015819	A1	20010823	US 1996734321	A	19961021	200151	E
			US 199840277	A	19980318		
US 6480294	B1	20021112	US 1996734321	A	19961021	200278	E
			US 199840293	A	19980318		
			US 2000628673	A	20000728		
US 6493103	B2	20021210	US 1996734321	A	19961021	200301	E
			US 199840277	A	19980318		
US 20030016397	A1	20030123	US 1996734321	A	19961021	200310	E
			US 199840293	A	19980318		
			US 2000628673	A	20000728		
			US 2002246537	A	20020919		
US 20030067628	A1	20030410	US 1996734321	A	19961021	200327	E
			US 199840277	A	19980318		
			US 2002246639	A	20020919		
US 6906820	B2	20050614	US 1996734321	A	19961021	200540	E
			US 199840293	A	19980318		
			US 2000628673	A	20000728		
			US 2002246537	A	20020919		
US 6937359	B2	20050830	US 1996734321	A	19961021	200557	E
			US 199840277	A	19980318		
			US 2002246639	A	20020919		

Priority Applications (no., kind, date): JP 1995272697 A 19951020; JP 1995278836 A 19951026

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 9121274	A	JA	13	13	
US 6028982	A	EN			Division of application US 1996734321
JP 3019914	B2	JA	10		Previously issued patent JP 09121274
US 6172763	B1	EN			Division of application US 1996734321

			Division of patent US 5812278
US 6259533	B1	EN	Division of application US 1996734321
			Division of patent US 5812278
US 20010015819	A1	EN	Division of application US 1996734321
			Division of patent US 5812278
US 6480294	B1	EN	Division of application US 1996734321
			Continuation of application US 199840293
			Division of patent US 5812278
US 6493103	B2	EN	Division of application US 1996734321
US 20030016397	A1	EN	Continuation of application US 1996734321
			Continuation of application US 199840293
			Continuation of application US 2000628673
			Continuation of patent US 5812278
			Continuation of patent US 6172763
			Continuation of patent US 6480294
US 20030067628	A1	EN	Continuation of application US 1996734321
			Continuation of application US 199840277
			Continuation of patent US 5812278
			Continuation of patent US 6493103
US 6906820	B2	EN	Continuation of application US 1996734321
			Continuation of application US 199840293
			Continuation of application US 2000628673
			Continuation of patent US 5812278
			Continuation of patent US 6172763
			Continuation of patent US 6480294
US 6937359	B2	EN	Continuation of application US 1996734321
			Continuation of application US 199840277
			Continuation of patent US 5812278
			Continuation of patent US 6493103

Alerting Abstract JP A

The facsimile consists of a data receiving unit that receives data. A recognition unit recognises the connection place information, such as the telephone number in the received data. The recognized connection place information is compared with a transmitting agency E-mail address and then stored in memory.

Then, an E-mail is sent to the transmitting agency E-mail address. A connection unit, contacts the receiving party, based on the connection place information that has been compared and stored to notify transmission error when the information are not coinciding.

ADVANTAGE - Notifies generation of transmission error. Improves implementation efficiency. Prevents limiting number of calling parties by deleting unnecessary information.

Title Terms/Index Terms/Additional Words: FACSIMILE; CONNECT; LAN; CONTACT;

CALL; PARTY; BASED; PLACE; INFORMATION; COMPARE; STORAGE; NOTIFICATION; TRANSMISSION; ERROR; ISDN

Class Codes

International Classification (Main): B41B-001/00, B41J-001/00, G06F-015/16, G06F-003/12, H04N-001/00, H04N-001/21, H04N-001/32, H04N-001/44
(Additional/Secondary): G06F-013/00, G06F-015/00, G06F-005/00, H04L-012/54, H04L-012/58, H04L-009/00, H04M-011/00
US Classification, Issued: 358001150, 358402000, 358402000, 358001150, 358001150, 358001200, 358402000, 358403000, 379093030, 395114000, 358402000, 358407000, 358001150, 358001200, 358402000, 358403000, 709206000, 358001150, 358403000, 358407000, 358001150, 358001200, 358402000, 358403000, 709206000, 358001150, 358402000, 358405000, 358438000, 380243000, 380281000, 358001150, 358402000, 358434000, 358468000, 379100130, 358001200, 358001150, 358402000, 358434000, 358468000, 379100130

File Segment: EngPI; EPI;
DWPI Class: T01; W01; W02; P74; P75
Manual Codes (EPI/S-X): W01-A06B5A; W01-A06E1; W01-A06G2; W01-A06X; W01-A09E; W01-C05B3H; W02-J03C3; W02-J08A

Original Publication Data by Authority

Original Abstracts:

...transmitting side to a receiving side through a LAN by an electronic mail. In the **receiving** side, the mail data is **changed** to reproduced image data, and it is judged whether or not the particular paper size...

...prescribed paper size, the reproduced image data is thinned out to produce adjusted image data, **and** a downsized image is **printed** on a prescribed **paper** of the prescribed **paper** size according to the adjusted image data. Accordingly, even though an image written in a...
...through a LAN by an electronic mail. In the receiving side, the mail data is **changed** to reproduced image **data** , and it is judged whether or not the particular paper size of the particular paper...

...image data is thinned out to produce adjusted image data, and a downsized image is **printed** on a prescribed **paper** **of** the prescribed paper size according to the adjusted image data. Accordingly, even though an image...

...image data is thinned out to produce adjusted image data, and a downsized image is **printed** on a prescribed **paper** of the prescribed paper size **according** to the adjusted image data. Accordingly, even though an image written in a paper of...and a receiverprimes electronic mail address included in the facsimile data are recognized in a **CPU** , a **userprimes** name specifying a transmitterprimes electronic mail address in the facsimile apparatus is generated in a mail address generating unit **according** to the facsimile **number** , **an** image format of the facsimile data is **converted** into a mail format of **electronic** mail data, the **userprimes** **name** , the facsimile **number** and the receiverprimes **electronic** mail **address** are added to the **electronic** **mail** data, and the **electronic** mail data is **transmitted** from the facsimile apparatus to the receiver. Therefore, even though a transmission error occurs in...
...the mail data, and the mail data is transmitted from a transmitting side to a **receiving** side through a LAN by an **electronic** mail. In the receiving side, the mail data is changed to reproduced image data, and...
the mail data is transmitted from a transmitting side to a receiving side

through a **LAN** by an **electronic** mail. In **the** receiving side, the mail data is changed to reproduced image data, and it is judged...
Claims:
...image data;an adder that adds paper size information indicating a paper size of the **scanned** **document** to the obtained binary image data;a converter that converts the binary image data including the paper size information, into e-mail data; anda transmitter that transmits the **converted** **e** -mail data including the paper size information to a destination terminal over a network so...

...transmitter's electronic mail;electronic mail transmitting and receiving means for transmitting the transmitter's **electronic** mail **changed** by the first **changing** means to a receiver specified by the receiver's **electronic** mail address recognized by the **recognizing** means through **an** internet and receiving a receiver's **electronic** mail which denotes a reply or error information for the transmitter's electronic mail and...

...into the transmitter's electronic mail through the internet;reading means for reading the identification **information** of **the** transmitter from the **storing** means according to the transmitter's **electronic** mail address of the receiver's electronic mail received by the **electronic** mail transmitting and receiving means;second **changing** means for **changing** the receiver's **electronic** mail received by the electronic mail transmitting and receiving means to receiver's facsimile data; andfacsimile data transmitting means for transmitting the receiver's **facsimile** data **changed** by the second **changing** means to the facsimile of the transmitter specified by the identification information of the transmitter
?

23/69,K/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0005878862 - Drawing available
WPI ACC NO: 1992-106676/199214
XRPX Acc No: N1992-079964
Printing system with automatic statistical compilation and billing - has sets of documents scanned **and stored by images in memory and printed in accordance with operator-specified functions and allocating cost**
Patent Assignee: XEROX CORP (XERO)
Inventor: BENNETT E A; RAVEN C; ROURKE J L
Patent Family (7 patents, 3 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 478347	A	19920401	EP 1991308826	A	19910927	199214	B
US 5146344	A	19920908	US 1990590125	A	19900928	199239	E
JP 4357756	A	19921210	JP 1991235302	A	19910917	199304	E
EP 478347	A3	19921104	EP 1991308826	A	19910927	199342	E
EP 478347	B1	19960424	EP 1991308826	A	19910927	199621	E
DE 69119015	E	19960530	DE 69119015	A	19910927	199627	E
			EP 1991308826	A	19910927		
JP 3147180	B2	20010319	JP 1991235302	A	19910917	200125	E

Priority Applications (no., kind, date): US 1990590125 A 19900928

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 478347	A	EN	20	8	
Regional Designated States,Original: DE FR GB					
US 5146344	A	EN	19		
EP 478347	A3	EN			
EP 478347	B1	EN	22	8	
Regional Designated States,Original: DE FR GB					
DE 69119015	E	DE			Application EP 1991308826 Based on OPI patent EP 478347
JP 3147180	B2	JA	12		Previously issued patent JP 04357756

Alerting Abstract EP A

The system is capable of **scanning** (6) a set of **documents** and electronic storage (7) is effected in memory (56) by images. The images are printed (8) in accordance with operator specified functions. Customer accounts are set up and billing rates for the various system functions are specified to each account. When a print is performed the operator by use of an interface (52) allocates the cost.

This allocation is to a default account or particular customer account and billing rates for various accounts can be changed by the system operator and statistical reports can be generated.

USE/ADVANTAGE - In electronic reprographic system. Generates systematic billing on regular basis.

Equivalent Alerting Abstract US A

The electronic reprographic printing system has electronic storage devices for storing in memory a number of customer accounts and images of **scanned documents** . A scanner reads a set of originals comprising a print job. An image **converter transforms** the images to **electronic** pages for printing. An operator specification device governs which of a number of reprographic system functions are to be performed for the print job. A printer produces printed pages corresp. to the electronic pages in

accordance with the specified functions for the print job, the functions being performed within a length of time.

A counter counts a number of printed pages under corresp. system functions of the print job to arrive at count totals. A storage device holds the count totals under an account number, which has billing rates for corresp. reprographic system functions. A total cost for the print job is determined by calculating a system function cost based on the count totals and the billing rates, and calculating a time cost by assigning a billing rate per unit time and multiplying the rate per unit time by the length of time taken for printing the electronic pages in accordance with the operator specified system functions for the print job.

USE/ADVANTAGE - For automatic billing and statistical compilation and generating associated reports, as well as monitoring customer usage of printing system.

Title Terms/Index Terms/Additional Words: PRINT; SYSTEM; AUTOMATIC; STATISTICAL; COMPILE; BILL; SET; DOCUMENT; SCAN; STORAGE; IMAGE; MEMORY; ACCORD; OPERATE; SPECIFIED; FUNCTION; ALLOCATE; COST; REPROGRAPHIC; COPIER

Class Codes
International Classification (Main): G03G-015/00
International Classification (+ Attributes)

IPC + Level Value	Position			Status	Version
B41F-0013/00	A	I	F	R	20060101
G03G-0015/00	A	I		R	20060101
G03G-0015/36	A	I	L	R	20060101
G03G-0021/00	A	I	L	R	20060101
G03G-0021/02	A	I		R	20060101
G03G-0021/04	A	I	L	R	20060101
G06Q-0020/00	A	I		R	20060101
G06Q-0030/00	A	I		R	20060101
G07F-0017/26	A	I		R	20060101
G07F-0007/00	A	I		R	20060101
H04N-0001/00	A	I	L	R	20060101
H04N-0001/34	A	I		R	20060101
B41F-0013/00	C	I	F	R	20060101
G03G-0015/00	C	I		R	20060101
G03G-0015/36	C	I	L	R	20060101
G03G-0021/00	C	I	L	R	20060101
G03G-0021/02	C	I		R	20060101
G03G-0021/04	C	I	L	R	20060101
G06Q-0020/00	C	I		R	20060101
G06Q-0030/00	C	I		R	20061008
G07F-0017/00	C	I		R	20060101
G07F-0007/00	C	I		R	20060101
H04N-0001/00	C	I	L	R	20060101
H04N-0001/34	C	I		R	20060101

US Classification, Issued: 358296000, 355202000, 355323000

File Segment: EngPI; EPI;
DWPI Class: S06; T05; P74; P84
Manual Codes (EPI/S-X): S06-A16A; T05-H05
...**has sets of** documents scanned **and stored by images in memory and printed in accordance with operator-specified functions and...**

Alerting Abstract ...The system is capable of **scanning** (6) a set of **documents** and electronic storage (7) is effected in memory (56) by images. The images are printed...

Equivalent Alerting Abstract ...electronic storage devices for storing in

memory a number of customer accounts and images of **scanned documents** . A scanner reads a set of originals comprising a print job. An image **converter transforms** the images to **electronic** pages for printing. An operator specification device governs which of a number of reprographic system...

Original Publication Data by Authority

Original Abstracts:
An electronic reprographic printing system which is capable of **scanning** (6) a set of **documents** , electronically storing (7) in memory (56) images of the **scanned documents** , and printing (8) the electronic images in accordance with operator specified reprographic system functions for...

...is to be performed, the system operator of the reprographic system, by means of a **user interface** (52), can allocate the cost of the system functions of the print job to a...

...An electronic reprographic printing system which is capable of **scanning** a set of **documents** , electronically storing in memory images of the scan documents, and printing the electronic images in...
Claims:
1. An electronic reprographic printing system comprising:</br> means for **scanning** a set of original **documents** which comprise a print job;</br> means for performing reprographic system functions including means for printing...

...The system is capable of **scanning** (6) a set of **documents** and electronic storage (7) is effected in memory (56) by images. The images are printed...

...system, comprising:</br> means for electronically storing in memory a plurality of customer accounts;</br> means for **scanning** a set of original **documents** which comprise a print job;</br> means for electronically storing in memory images of the **scanned documents** ;</br> means for performing a **plurality** of **user specified** reprographic system functions; means for counting a number of printed pages under corresponding system functions...
?

31/69,K/2 (Item 2 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0008866113 - Drawing available
WPI ACC NO: 1998-413610/199835
Related WPI Acc No: 1995-161428; 1997-280596
XRPX Acc No: N1998-321976
Electronic document retrieval method from database of computer system - involves changing user's position in hypertext type database based on electronic document selected from representation of matching electronic documents
Patent Assignee: APPLE COMPUTER INC (APPY)
Inventor: KREITMAN K M; OREN T R; SALOMON G B
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5781904	A	19980714	US 1989316331	A	19890227	199835 B
			US 1992900538	A	19920618	
			US 1995404187	A	19950313	
			US 1997845988	A	19970501	

Priority Applications (no., kind, date): US 1995404187 A 19950313; US 1992900538 A 19920618; US 1989316331 A 19890227; US 1997845988 A 19970501

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5781904	A	EN	18	5	Continuation of application US 1989316331
					Continuation of application US 1992900538
					Continuation of application US 1995404187
					Continuation of patent US 5408655
					Continuation of patent US 5630117

Alerting Abstract US A
The method involves retrieving an electronic document from a hypertext type database including multiple hypertext type nodes corresponding to respective documents. A first subset of index terms is assigned to each document.

A set of option index terms of command options selected by the user is compared with the subset of index terms, based on which matching electronic documents are represented. A specific electronic document is selected from the representation of matching electronic documents based on which user's position is changed in hypertext type database.

ADVANTAGE - Eliminates completion of indexing process. Reduces confusion during browsing of hypermedia system.

Title Terms/Index Terms/Additional Words: ELECTRONIC; DOCUMENT; RETRIEVAL; METHOD; DATABASE; COMPUTER; SYSTEM; CHANGE; USER; POSITION; TYPE; BASED; SELECT; REPRESENT; MATCH

Class Codes
International Classification (Main): G06F-017/30
US Classification, Issued: 707100000, 707002000, 707003000, 345968000

File Segment: EPI;
DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B3; T01-J05B4M; T01-J12B1

Original Titles:
User interface system and method for traversing a database.

Original Publication Data by Authority

Original Abstracts:
A **user interface** system and **method for** traversing a database. In one aspect the present invention includes providing a plurality of command ...
Claims:
...wherein each of said plurality of hypertext-type nodes may be selectively linked to others **of** said plurality of hypertext-type **nodes** , the **user** having a current position within said hypertext-type database;b) providing a set of descriptive...

...descriptive index terms to each electronic document of said plurality of electronic documents;d) receiving **user** input **that specifies** a second subset of said descriptive index terms;e) comparing said first subset of descriptive...

...g) receiving user input that selects a selected electronic document from said representation of matching **electronic** documents; **and** h) **changing** said user's position **within** the hypertext-type database to correspond **with** said selected **electronic** document.

31/69,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0008831193 - Drawing available
WPI ACC NO: 1998-377136/199832
XRPX Acc No: N1998-294959
Scanned document **character** information **processing - includes event driven interface with characters stored in RAM locations with address generator providing bit pattern addresses**
Patent Assignee: LOCKHEED MARTIN CORP (LOCK)
Inventor: HERSHEY P C; WALKER J R
Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 5771395	A	19980623	US 1996635842	A	19960422	199832 B

Priority Applications (no., kind, date): US 1996635842 A 19960422

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 5771395	A	EN	10	6	

Alerting Abstract US A
The information processing system includes an event driven interface including an input and an output. A unit couples the computer compatible digital code to the input as a bit serial data stream. The event driven interface includes a RAM loaded with numerous bit patterns indicating characters in key words in the **scanned document** . The characters are stored in respectively addressable locations in the RAM and include bit patterns with a write enable bit to mark where succeeding data bits in the bit serial data stream are to be coupled to the output of the event driven interface.
An address generator generates addresses to address the bit patterns by concatenating a bit from the computer compatible digital code with a bit pattern just previously in the RAM so that successive bits in the bit serial data stream address successive bit patterns in the RAM including a bit pattern with a write enable bit. The bit serial data stream passed from the input to the output of the event driven interface is stored in response to addressing in the RAM the bit pattern with a write enable bit.
ADVANTAGE - **Identifies** and **extracts user designated information scanned** from a **document** . **Transmits information** for remote **retrieval** .

Title Terms/Index Terms/Additional Words: SCAN; DOCUMENT; CHARACTER; INFORMATION; PROCESS; EVENT; DRIVE; INTERFACE; STORAGE; RAM; LOCATE; ADDRESS; GENERATOR; BIT; PATTERN

Class Codes
International Classification (Main): G06F-007/00
US Classification, Issued: 395836000, 358474000, 358460000, 358444000

File Segment: EPI;
DWPI Class: T01; T04
Manual Codes (EPI/S-X): T01-J10B2; T04-D04

Scanned document **character** information **processing**...

Original Titles:
System for processing **information** from **scanned documents** using event

driven interface with patterns loaded in RAM and with address generator for addressing...

Alerting Abstract ...includes a RAM loaded with numerous bit patterns indicating characters in key words in the **scanned document** . The characters are stored in respectively addressable locations in the RAM and include bit patterns...

...ADVANTAGE - **Identifies** and **extracts user designated information scanned** from a **document** . **Transmits information** for remote **retrieval** .

Original Publication Data by Authority

Original Abstracts:
The present invention discloses a system for processing data from **scanned documents** . The output **from a** scanner serves as input to a digital filter referred to as an event driven **interface** . The event driven interface is **user** -configured **with** bit **patterns** to identify and filter out **user** -designated **information** from **a scanned document** . Since only **the designated information** is extracted from **the** document, and not extraneous matter of the document, the subsequent storage of only the designated...
Claims:
A system for processing **information** from **a scanned document** , **said information** being **in** a computer compatible digital code as a result of processing by character recognition software, comprising...

...interface including a random access memory (RAM) loaded with a plurality of bit patterns indicating **characters** in key words in said **scanned document** , said characters stored in respectively addressable **locations in** said RAM and including bit patterns with a write enable bit to mark where succeeding...

31/69,K/5 (Item 5 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0007917850 - Drawing available
WPI ACC NO: 1997-005582/199701
Related WPI Acc No: 1996-512061; 1997-005588; 1997-195890
XRPX Acc No: N1997-005126
Image processor e.g. for digital copier - has processing specifying unit which selects one colour processing among several performed by colour processing unit in which each colour processing provides one colour balancing
Patent Assignee: RICOH KK (RICO)
Inventor: OTSUBO K; YAMAKAWA S
Patent Family (2 patents, 2 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
JP 8275005	A	19961018	JP 199574858	A	19950331	199701	B
US 5809366	A	19980915	US 1996622285	A	19960325	199844	E

Priority Applications (no., kind, date): JP 199574857 A 19950331; JP 199566630 A 19950327; JP 199565461 A 19950324; JP 199574858 A 19950331

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 8275005	A	JA	13	20	

Alerting Abstract JP A
The processor has an image reader (2) which reads the full-colour image data input printed out by an image printer (4). A pattern memory stores the full-colour image data in a test pattern in which a pattern output unit outputs the full-colour image data in the test pattern read from the memory. An image comparing unit compares the test-pattern image data read by the image reader. A repeat output unit re-reads and re-prints the image data.
A colour processing unit processes the colour of several image data repeatedly printed out resulting to different colour balancing. Only one colour balance agrees to the reading input based on the comparison result of the image comparing unit. A processing specifying unit selects one colour processing obtd. by the colour processing unit.
ADVANTAGE - Satisfactorily obtains image printing output due to repeated processing of colour which differ in colour balancing.

Title Terms/Index Terms/Additional Words: IMAGE; PROCESSOR; DIGITAL; COPY; PROCESS; SPECIFIED; UNIT; SELECT; ONE; COLOUR; PERFORMANCE; BALANCE
Class Codes
International Classification (Main): G03G-015/01, H04N-001/48
(Additional/Secondary): G06T-001/00, H04N-001/04
US Classification, Issued: 399039000, 358519000

File Segment: EngPI; EPI;
DWPI Class: S06; T01; T04; W02; P75; P82; P84
Manual Codes (EPI/S-X): S06-A11A; S06-A16A; T01-J10B3B; T04-G07; T04-G10; W02-J03A2; W02-J04

Original Publication Data by Authority

Original Abstracts:

...In order to adjust the color balance for specific colors contained within an image, the **user** manually selects points **on** the image and **frames** having the selected color are printed, **scanned** , and the **scanned information** compared to **stored color information** in order to **adjust** the color balance to accurately reproduce the color selected by the user. As an alternative...

Claims:

...to the standard color balance;selecting, by a user, a color balance of one of **the plurality** of **images** to be used by the image processing device.

32/69,K/3 (Item 3 from file: 350)
DIALOG(R)File 350:Derwent WPIX
(c) 2007 The Thomson Corporation. All rts. reserv.

0012939668 - Drawing available
WPI ACC NO: 2003-016316/200301
Related WPI Acc No: 1999-444101; 2002-617248; 2005-699470; 2006-304418
XRPX Acc No: N2003-012236
Paper-based document management **for business, education purposes, involves generating globally unique identifier to link computerized database record containing information about physical storage location of document**
Patent Assignee: IMAGETAG INC (IMAG-N); IRONS S W (IRON-I); WRIGHT M F (WRIG-I)
Inventor: IRONS S W; WRIGHT M F
Patent Family (6 patents, 99 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
US 20020111960	A1	20020815	US 19971228	A	19971230	200301	B
			US 1999436130	A	19991108		
			US 200145343	A	20011025		
WO 2003036515	A1	20030501	WO 2002US30819	A	20020926	200330	E
US 6744936	B2	20040601	US 19971228	A	19971230	200436	E
			US 1999436130	A	19991108		
			US 200145343	A	20011025		
EP 1451717	A1	20040901	EP 2002776029	A	20020926	200457	E
			WO 2002US30819	A	20020926		
AU 2002341874	A1	20030506	AU 2002341874	A	20020926	200469	E
CN 1602486	A	20050330	CN 2002824574	A	20020926	200547	E

Priority Applications (no., kind, date): US 1999436130 A 19991108; US 19971228 A 19971230; US 200145343 A 20011025

Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20020111960	A1	EN	20	9	C-I-P of application US 19971228 C-I-P of application US 1999436130 C-I-P of patent US 6192165
WO 2003036515	A1	EN			

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
Regional Designated States,Original: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GH GM GR IE IT KE LS LU MC MW MZ NL OA PT SD SE SK SL SZ TR TZ UG ZM ZW

US 6744936	B2	EN	C-I-P of application US 19971228 C-I-P of application US 1999436130 C-I-P of patent US 6192165 C-I-P of patent US 6427032
EP 1451717	A1	EN	PCT Application WO 2002US30819 Based on OPI patent WO 2003036515

Regional Designated States,Original: AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI SK TR

AU 2002341874	A1	EN	Based on OPI patent WO 2003036515

Alerting Abstract US A1
NOVELTY - A processor (210) executes a digital filing application (227) in a memory (220) coupled to the processor, to extract a globally unique identifier from a digital image of a paper-based document in the memory.

The identifier links the digital image to a computerized database record created before the generation of digital image. The record contains information about the physical storage location of the document.

DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

1.Paper-based document management method ; and

2.Program product storing instructions for paper-based document management .

USE - For indexing, imaging, storing and retrieving images of paper-based documents used for business, education and entertainment purposes.

ADVANTAGE - By generating the globally unique identifier that provides electronic link to the digital image and physical location of paper-based document, quick and easy retrieval of the paper-based documents and/or digital images of the paper-based documents is enabled.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the computer system for paper-based **document management** .

210 Processor
220 Memory
227 Digital filing application

Title Terms/Index Terms/Additional Words: PAPER; BASED; DOCUMENT; MANAGEMENT; BUSINESS; EDUCATION; PURPOSE; GENERATE; UNIQUE; IDENTIFY; LINK; COMPUTER; DATABASE; RECORD; CONTAIN; INFORMATION; PHYSICAL; STORAGE ; LOCATE

Class Codes
International Classification (Main): G06F-017/30, G06F-007/00
US Classification, Issued: 707204000, 382306000, 707104100

File Segment: EPI;
DWPI Class: T01; T04
Manual Codes (EPI/S-X): T01-C04D; T01-J05A2D; T01-J05B2; T01-J10C2; T01-S03 ; T04-H03

Paper-based document management **for business, education purposes, involves generating globally unique identifier to link computerized database record containing...**

Original Titles:
MANAGEMENT OF PAPER **DOCUMENT** AND THEIR IMAGES...

... **MANAGEMENT** OF PAPER **DOCUMENT** AND THEIR IMAGES...

...Apparatus and method for simultaneously **managing** paper-based **documents** and digital images of the same...

...Apparatus and method for simultaneously **managing** paper-based **documents** and digital images of the same...

... **MANAGEMENT** OF PAPER **DOCUMENT** AND THEIR IMAGES

Alerting Abstract ...Paper-based **document management method ; and** Program product storing instructions for paper-based **document management** .

...

...OF DRAWINGS - The figure shows the block diagram of the computer system for paper-based **document management** .

Original Publication Data by Authority

Original Abstracts:
According to the preferred embodiments of the present invention, an apparatus and method for simultaneously **managing** paper-based **documents** **and** digital images **of** the same is provided through a digital filing operation (542). Digital filing refers to the effici ent management of paper-based information from its receipt **at** the desktop through an indexing, **scanning** (552), image storage (558) and retrieval process, for both the paper-based document and the...

...According to the preferred embodiments of the present invention, an apparatus and method for simultaneously **managing** paper-based **documents** and digital images of the **same** are disclosed. **When** used in conjunction with a digital filing apparatus, such as that disclosed in U.S. Pat. **No** . 6,192,165, **users** of the present invention will be able to deploy a comprehensive system to **manage** both paper-based **documents** and the corresponding digital images of **the** paper-based **documents** **in** a digital filing operation. In this context, digital filing **refers** to the efficient **management** of paper-based information from its receipt at the desktop through an indexing, **scanning** , **image** storage and retrieval process, for both the paper-based **document** and the digital image of the paper-based document. The preferred embodiments of the present invention provide for easy and effective indexing, imaging, storing, retrieving and **managing** of paper-based **documents** , **transforming** them into **electronic** **documents** , and **then** tracking and selectively **retrieving** **either** or both **the** paper-based document and/or a digital image of the paper-based document, based on...

...According to the preferred embodiments of the present invention, an apparatus and method for simultaneously **managing** paper-based **documents** and digital images of the same are disclosed. When used in conjunction **with** a digital **filing** apparatus, such as that disclosed in U.S. Pat. **No** . 6,192,165, **users** . of the **present** invention will be able to deploy a comprehensive system to **manage** both paper-based **documents** and the corresponding digital images of the paper-based **documents** in **a** digital filing operation. **In** this context, digital filing refers to the efficient **management** **of** paper-based information from its receipt at the desktop through an indexing, **scanning** , image storage and retrieval process, **for** both the paper-based **document** and the digital image **of** the paper-based **document** . The preferred embodiments of the present invention provide for easy and effective indexing, imaging, storing, **retrieving** and **managing** of paper-based **documents** , **transforming** them into **electronic** documents, and then tracking and selectively retrieving **either** or both the **paper** - **based** document and/ **or** a digital image of the paper-based document, based on the information captured prior to...

...According to the preferred embodiments of the present invention, an apparatus and method for simultaneously **managing** paper-based **documents** and digital images of the same is provided through a digital filing operation (542). Digital filing refers **to** the effici **ent** **management** of paper-based information from its receipt at the desktop through an indexing, scanning (552...

...retrieval process, for both the paper-based document and the digital image of the paper- **based** **document** . A globally unique do cument identifier is created (546) and affixed (548) to each document....